

Atlantic Richfield Company

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December 6, 2012

CERTIFIED – RETURN RECEIPT REQUESTED

Ms. Jere Johnson
Remedial Project Manager
U.S. Environmental Protection Agency Region 9
75 Hawthorne Street, SFD-9-1
San Francisco, CA 94105

Subject: November 2012 Monthly Report, Yerington Mine Site, Lyon County, Nevada: Administrative Order for Remedial Investigation and Feasibility Study (RI/FS), CERCLA Docket No. 9-2007-0005; Administrative Order on Consent, CERCLA Docket No. 09-2009-0010

Dear Ms. Johnson:

Pursuant to the above referenced orders issued by the U.S. Environmental Protection Agency - Region 9 (EPA), Atlantic Richfield Company (ARC) has prepared this November 2012 monthly report for RI/FS and Operations and Maintenance (O&M) activities at the Yerington Mine Site (Site).

November 2012 Activities

Site Security and O&M Activities

- Continued routine Site O&M, security and bird deterrent activities with the exception of the VLT Pond, as directed by EPA. Security cameras at various locations (e.g., Main and Arimetco gates, entrances to buildings) indicated no activity of concern.
- The Wind Dancer at the Slot Pond remained in service, while the Wind Dancer at the Pumpback Well System (PWS) Pond and the Lined Evaporation Pond (LEP) were not active in November. Propane cannons were operated at the Arimetco Fluid Management System (FMS) ponds with the exception of the VLT Pond, as directed by EPA. Locations of Wind Dancers and bird deterrent flags were rotated every two weeks, or as field observations dictated, to lessen the possibility of birds becoming habituated to these deterrents. In keeping with the Bird Mitigation SOP, and as a result of the evaporation of water in the pumpback and lined evaporation ponds, bird guard towers A, B and C remained inactive. Start/stop times on all propane cannons continued to be adjusted to reflect the changing timing of sunrise and sunset.
- Water levels in all PWS Evaporation Pond cells continued to remain at 0 feet. Arimetco FMS pond levels: Phase 1 Pond = 3.18 feet; FMS Evaporation Pond = 9.06 feet; VLT Pond = 4.96 feet; Slot 2 Pond = 6.23 feet. Freeboard in the FMS Evaporation Pond was at 1.08 feet as of November 30. No fluid transfers occurred in November.
- EPA continues to retain operational and monitoring control of the VLT Pond during the close-out period to re-establish electrical, pumping and monitoring systems to return the pond to substantially complete operational status.
- Approximately 29,716 gallons of solution were pumped from the leak detectors in November (primarily from SD1), bringing the cumulative 2012 total to 369,880 gallons (see attached monitoring data). Monitoring of leak detectors VLTP1 and VLTD1 remains under EPA control during the VLT Pond close-out period.

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November 2012 Activities - Continued

Other Site Activities

- B.V. Nevada completed their demolition work and have de-mobilized from the Site.
- Peri conducted maintenance activities on the Wabuska Drain along the Site margin.

Site Characterization Activities

- Monthly groundwater elevation measurements were obtained November 26-29.
- A pit lake water elevation of 4228.362 feet amsl was recorded on November 26, 2012 from the pressure transducer, an increase of 0.198 feet since October 29, 2012. The pit lake elevation has risen 2.12 feet since November 26, 2011.
- Two new residences (DW-198 and DW-199) and the new owner of DW-89 (previous owner never signed an access agreement) were added to the domestic well sampling program. DW-198 and DW-199 were sampled in 4Q 2012. Status of access agreement is "pending" for DW-196.
- One new residence (DW-197) was added to the Bottled Water Program in November 2012. Two new residences (DW-198 and DW-199) initially sampled during the 4Q 2012 event did not qualify for the Bottled Water Program.
- Performed the 4Q 2012 domestic well monitoring event. Continued to compile 3Q 2012 domestic well and groundwater monitoring data.
- Continued the preparation of responses to comments and revisions to the 2010 Monitor Well and Ag Fields DSR dated August 12, 2011, based on EPA comments received November 23, 2011.
- Continued the preparation of responses to comments and revisions to the Aquifer Test DSR dated April 19, 2012, based on EPA comments received August 2, 2012.
- Completed and transmitted to EPA the revised Site-Wide Groundwater Operable Unit (OU-1) Remedial Investigation (RI) Work Plan dated November 19, 2012.
- Continued coordination and tracking of hydrologic tracer data from 2Q 2012 samples.
- Initiated a review of the Final Process Areas (OU-3) RI Work Plan dated November 2012.
- Attended a Yerington Community Meeting on November 14.
- Routine database management activities and support of Site investigations and reports.

Planned December 2012/January 2013 Activities

Site Security and O&M Activities

- Assume responsibility for FMS O&M after EPA completes close-out activities for the VLT Pond.
- Continue routine Site O&M, security and bird deterrent activities. Complete modifications to the Wind Dancers at the evaporation ponds and return them to service.
- Ship approximately 10 cubic yards of petroleum-contaminated soils to the US Ecology landfill in Beatty NV as non-hazardous non-DOT regulated solid waste resulting from implementation of the VLT Transformer soil cleanup and the Process Areas sub-surface utility/dry well investigation.

Site Characterization Activities

- Continue groundwater elevation and pit lake level measurements, and meteorological monitoring.
- Continue the Bottled Water Program.
- Transmit the 3Q 2012 domestic and groundwater monitoring reports. Continue the compilation of data associated with 4Q 2012 domestic and groundwater monitoring events.
- Discuss the revised Groundwater RI Work Plan with EPA and other stakeholders.
- Complete and transmit to EPA the Draft Groundwater Model Work Plan.
- Complete and transmit to EPA the revised 2011 DSR and responses to EPA comments.
- Complete and transmit to EPA the revised Aquifer Test DSR and responses to EPA comments.
- Transmit responses to EPA comments on the Process Areas Sub-Surface Utility and Dry Well Geophysical Investigation Technical Memorandum, and requested figure modifications.
- Review the Process Areas (OU-3) RI Work Plan and transmit comments to EPA.
- Provide comments to EPA on the OU-8 Human Health Risk Assessment.
- Review data quality objectives for the Wabuska Drain (OU-7) RI Work Plan when received.

Please contact me at (714) 228-6774 or via e-mail at jack.oman@bp.com if you have any questions or comments about the November 2012 monthly report.

Sincerely,



Jack Oman
Project Manager

Attachment

cc: Dave Seter, EPA – via electronic mail
Roberta Blank, EPA – via electronic mail
Andrew Helmlinger, EPA – via electronic mail
Tom Dunkelman, EPA – via electronic mail
Greg Lovato, NDEP – via electronic mail
Tom Olsen, BLM – via electronic mail
Dan Newell, City of Yerington – via electronic mail
Phyllis Hunewill – via electronic mail
Virgil Arellano, Lyon County Commissioner – via electronic mail
Rob Loveberg, Lyon County Planning Department – via electronic mail
Tom Grady, Nevada State Assembly – via electronic mail
Jim Sanford, MVEC – via electronic mail
Lauryne Wright, YPT – via electronic mail
Chairwoman Howard, YPT – via electronic mail
Dietrick McGinnis, McGinnis and Associates – via electronic mail
Tom Bowden, Ridolfi, Inc. – via electronic mail
Chairwoman McFalls, WRPT – via electronic mail
Tad Williams, WRPT – via electronic mail
Ron Halsey, Atlantic Richfield Company – via electronic mail
James Lucari, Atlantic Richfield Company – via electronic mail
Marc Ferries, Atlantic Richfield Company – via electronic mail
Brian Johnson, Atlantic Richfield Company – via electronic mail
John Batchelder, EnviroSolve – via electronic mail
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